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known by his book entitled *Java, seine Gestalt, Pflanzendecke und innere Bauart*, published in 1852, though the first Dutch edition appeared in 1849. The sketches of the Javan vegetation here presented are among the best descriptions of tropical plant life.—HENRY C. COWLES.

Carbohydrates and glucosides.—Another of the monographs on biochemistry, under preparation by English workers, has just appeared.[5] It deals with the monosaccharides, disaccharides, and the more common natural and synthesized glucosides, and forms an invaluable critical consideration of our present knowledge of these physiologically important substances. The seven chapter headings give a good idea of the scope of the work: glucose; the chemical properties of glucose; the hexoses and pentoses; the disaccharides; the relation between configuration and properties; hydrolysis and synthesis; natural and synthetic glucosides. A bibliography of 18 pages adds much to the value of the book.—WILLIAM CROCKER.

Vegetationsbilder.—The island of Juan Fernandez has a vegetation remarkable for the large number of endemic species, which give a peculiar interest to the six plates of KARSTEN AND SCHENCK's well-known work[6] recently issued as a part of the eighth series. Among the species illustrated are *Boehmeria excelsa*, *Arthopteris altescandens*, *Gunnera peltata*, *Dendroseris pinnata*, and *Robinsonia gayana*. The photographs and brief descriptive text are by CARL SKOTTSBERG. The vegetation of the Swabian Mountains is also shown in six excellent plates after photographs by OTTO FENCHT, who also contributes the descriptive text.—GEO. D. FULLER.

NOTES FOR STUDENTS

Cytology and taxonomy of Endomycetes.—GUILLIERMOND[7] has given an account of his further studies on *Eremascus fertilis*, discovered by Mlle STOPPEL;[8] *Endomyces fibuliger*, discovered by LINDNER;[9] *Saccharomycopsis capsularis*,

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[5] ARMSTRONG, FRANKLAND E., The simple carbohydrates and the glucosides. pp. vii+112. London: Longmans, Green & Co. 1910.

[6] KARSTEN, G., AND SCHENCK, H., Vegetationsbilder. Series VIII. parts 2, 3. Text and *pls. 7–18*. 4to. Jena: Gustav Fischer. 1910. *M* 4 per part.

[7] GUILLIERMOND, M. A., Recherches cytologiques et taxonomiques sur les Endomycétées. Rev. Gén. Bot. **21**:353–391, 401–419. *pls. 12–19*. 1909.

———, Sur la reproduction sexuelle de l'*Endomyces magnusii* Ludwig. Compt. Rend. Acad. Sci. **148**:941. 1909.

———, Quelques remarques sur l'*Eremascus fertilis* Stoppel et sur ses rapports avec l'*Endomyces fibuliger* Lindner. Compt. Rend. Soc. Biol. **66**:925–926. 1909.

[8] STOPPEL, ROSE, *Eremascus fertilis*, nov. spec. Flora **97**:332–346. 1907.

[9] LINDNER, P., *Endomyces fibuliger*, n. sp., ein neuer Gärungspilz und Erzeuger des fol. Kreidekrankheit des Brotes. Wochenschr. f. Brauerei **24**:no. 36.